LABDEX

Automatic Dry Biochemistry Analyzer LX200DBA

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Description

Automatic Dry Biochemistry Analyzer LX200DBA is a compact, all-in-one diagnostic system designed for high-accuracy biochemical analysis. It features a large android-based LCD touchscreen for fast, intuitive operation and integrates multiple testing capabilities such as clinical biochemistry, coagulation profiles, electrolyte analysis, and select immunoassay parameters. Built-in advanced microfluidic chip technology, performs automated sample pre-processing, mixing, separation, reaction, and detection on a miniaturized platform occupying only a few square centimeters. It is ideal for high-throughput clinical laboratories.

Specifications

Sample volume	90 - 120 µl
Bar code	2-D bar code
Test time	12 min / sample
Temperature	37 °C ±0.3 °C
Resolution	0.001 Abs
Absorbance	0 - 3.0 Abs
Sample type	Anti-coagulated whole blood, serum, plasma
QC & calibrate	Real time full-auto finish
Testing principle	Absorption spectroscopy Transmission turbidimetry
Testing method	End point, kinetic, fixed time and turbidmetry
Light source	12 V / 20 W, halogen tungsten lamp’s life span is over 2500 hours
Display	Android 6.5 inch 800 x 480, multi-point capacitive touch screen
Storage	500000 results
Printer	Built-in thermal printer
Connector	4 USB ports, 1 LAN port
Operational environment	Temperature: 10-32°C Humidity:
Power Supply	AC100V-240V, 50/60Hz
External dimension (W x D x H)	315 x 375 x 475 mm
Net weight	5 Kg

Packing dimension (W x D x H)	670 x 390 x 520 mm
Gross weight	13 Kg

Features

- Integrated assay system supporting biochemistry, coagulation, electrolyte, and immunological tests on a single unified platform
- Dry chemistry format eliminating liquid reagents; reduces contamination, waste, and operational complexity
- Intuitive touchscreen interface with customizable test panels; compatible with LIS (Laboratory Information System)
- Space-saving design suitable for a range of laboratory environments
- Micro sampling design, addressing challenges of blood collection in infants and children
- High throughput and efficiency
- Storage capacity for 500,000 data records
- Rapid testing capability

Applications

- It is suitable for use in clinical laboratories, research facilities, and point-of-care environments for applications such as routine blood chemistry analysis, core diagnostics, experimental disease modeling, and drug development so on.

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